



PATENT ABSTRACTS OF JAPAN

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ITO JUNJI**(54) **EXHAUST GAS PURIFICATION CATALYST**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an exhaust gas purification catalyst capable of efficiently removing NO_x even under the exhaust condition of a low HC to NO_x ratio.

SOLUTION: A honeycomb monolithic carrier is coated with a catalyst layer contg. a catalyst material contg. a refractory inorg. compd. with pores of ≤ 1 nm diameter and a catalyst material

contg. a refractory inorg. compd. with pores of ≈ 2 nm diameter to obtain the objective exhaust gas purification catalyst. The temp. difference between the NO_x reduction activity temp. ranges of the former and latter catalyst materials is less than 30°C. In other way, an inner layer contg. the former catalyst material is formed on the carrier and a surface layer contg. the latter catalyst material is laminated on the inner layer.

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